

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



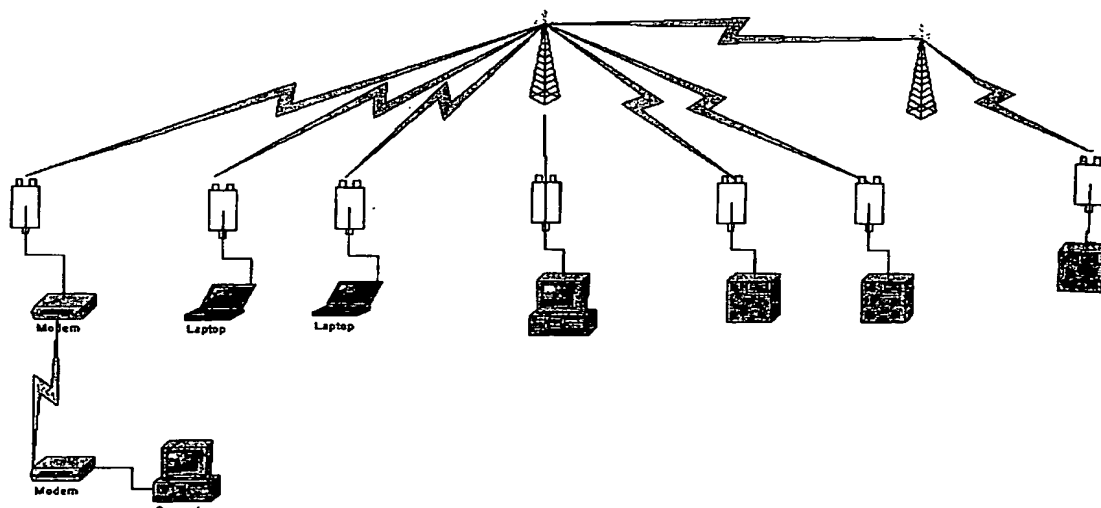
(43) International Publication Date  
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number  
**WO 2004/040828 A3**

- (51) International Patent Classification<sup>7</sup>: G08C 19/10, G06F 15/177, 15/173, H04B 1/38, H04M 1/00
- (74) Agent: MARGOLIS, Donald, W.; P.O. Box 20338, Boulder, CO 80308-3888 (US).
- (21) International Application Number: PCT/US2003/034812
- (81) Designated States (*national*): AU, CA, JP, MX, US.
- (22) International Filing Date: 30 October 2003 (30.10.2003)
- (84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/422,759 30 October 2002 (30.10.2002) US
- Published:  
— with international search report
- (71) Applicant (*for all designated States except US*): VECO GAS TECHNOLOGY, INC. [US/US]; 9000 E. Nichols Ave., Suite 250, Englewood, CO 80112-3474 (US).
- (88) Date of publication of the international search report: 29 July 2004
- (71) Applicant and
- (72) Inventor: OCONDI, Mark [US/US]; 17447 E. Bellewood Circle, Aurora, CO 80115 (US).
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: INTELLIGENT WIRELESS MULTICAST NETWORK



(57) Abstract: Disclosed is a supervisory control and data acquisition (SCADA) system using a spread spectrum or licensed frequency data radio network and communication method therefore allowing multiple slave hosts and slave devices or remote terminal unit (RTU) the ability to communicate data connectivity in a wireless network environment.

WO 2004/040828 A3

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34812

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G08C 19/10; G06F 15/177, 15/173; H04B 1/38; H04M 1/00  
US CL : 340/870.11; 709/223, 220; 455/557

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 340/870.11; 709/223, 220; 455/557

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,811,308 A (MICHEL) 07 March 1989 (07.03.1989), see entire document.	1-6
A,P	US 2003/0083013 A1 (MOWERY et al) 01 May 2003 (01.05.2003); see entire document.	1-6
A,P	US 2003/0037602 A1 (GLASGOW, JR et al) 27 February 2003 (27.02.2003), see entire document.	1-6
A,E	US 2003/0208579 A1 (BRADY, JR. et al) 06 November 2003 (06.11.2003), see entire document.	1-6
A	US 6,216,956 B1 (EHLERS et al) 17 April 2001 (17.04.2001), see entire document.	1-6
A,P	US 2002/0162538 A1 (YOO et al) 28 August 2003 (28.08.2003), see entire document.	1-6
A	US 5,941,305 A (THRASHER et al) 24 August 1999 (24.08.1999), see entire document.	1-6

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

13 April 2004 (13.04.2004)

Date of mailing of the international search report

27 APR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Michael Horabik

Telephone No. 703/805-4700

# INTERNATIONAL SEARCH REPORT

PCT/US03/34812

## Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: see text search sheet